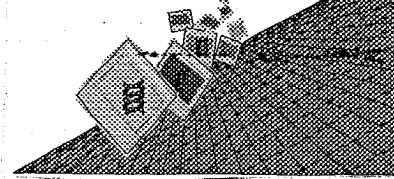


86

0330

RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/667,188

Source: O/PE

Date Processed by STIC: 11/9/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING DATE: 11/09/2000
PATENT APPLICATION: US/09/667,188 TIME: 12:04:05

Input Set : D:\Lib3280_1Reg.rpt
Output Set: N:\CRF3\11092000\1667188.raw

21

RAW SEQUENCE LISTING DATE: 11/09/2000
PATENT APPLICATION: US/09/667,188 TIME: 12:04:05

Input Set : D:\Lib3280_1Reg.rpt
Output Set: N:\CRF3\11092000\I667188.raw

Marie

RAW SEQUENCE LISTING DATE: 11/09/2000
PATENT APPLICATION: US/09/667,188 TIME: 12:04:05

Input Set : D:\Lib3280_1Reg.rpt
Output Set: N:\CRF3\11092000\I667188.raw

170 <213> ORGANISM: *Triticum aestivum*
 172 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-A6
 174 <400> SEQUENCE: 8
 176 aaagaaaaaga aaaagcaagc ccaacccgtg aaccctacat cctgeaaacc atgcgcaccc 60
 178 tgcataccctc ccgcgcgcgc cgcacccgtc ctgcgttacc agcgcgcgc ctgcgcgcgc 120
 180 tcttccagcg tgcgtcggt cggccgttcc ttgagcgcgc cgcgcgtccg ctgcgttcc 180
 182 gacgcacccg ctgcggggcc tgcgttcgtc ctcacccgacg gccgggttgc tcccaacage 240
 184 catatt 246
 187 <210> SEQ ID NO: 9
 188 <211> LENGTH: 232
 189 <212> TYPE: DNA
 190 <213> ORGANISM: *Triticum aestivum*
 192 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-A7
 194 <400> SEQUENCE: 9
 196 gtctaaacttt agacccaccc ctcccttttat tategttatt ttcccagaa ggctttccctt 60
 198 aaaaactggaa tcaggatgtt ccaggatattt cagcgttattt atgcctcttctt ttttcttcaa 120
 200 catacaggtt aaggaggatc ctaatgttcc atccccaaaca gtggcacacgc tctgcataatc 180
 202 cttcatacccc catgactggc tccagggtgca gatttcggc aaccgccttc tc 232
 205 <210> SEQ ID NO: 10
 206 <211> LENGTH: 253
 207 <212> TYPE: DNA
 208 <213> ORGANISM: *Triticum aestivum*
 210 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-A8
 212 <400> SEQUENCE: 10
 214 taaccgatc gatccatggcc atggggacta aqgegcgcgc ctcgcgttcttctgtctt 60
 216 gtcgcgttctt tcttacaaagg caaccctaca ttgggttcaag cggacgagga gtgcacgtac 120
 218 aggatccgtt acgttccctt ctgcacgggg ttggagctgca aggtggatgtt ctgggtggag 180
 220 gccaagctttt tccgcgcgcgc ttcacaggaa cacaagtgc ttaggggggg catcaaggcc 240
 222 gctgtctactt ggc 253
 225 <210> SEQ ID NO: 11
 226 <211> LENGTH: 394
 227 <212> TYPE: DNA
 228 <213> ORGANISM: *Triticum aestivum*
 230 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-A9
 232 <400> SEQUENCE: 11
 234 gtttctgtat ctggccaaatt tgggtgtcgat cggggcgtat ggcgtggggc cgctcattgg 60
 236 atggatgtt atgaatgtat ggtatcttcc tgcgttttgc acatttagctt tgcgtgtgtc 120
 238 aagtgttgg ttggatgtttt tttagcaagaa aagatgggg atcaatcttgc tcaattgttgc 180
 240 atatcgacccatggatc ccaatggatc acaagggtttt gatgtgtgtt gttgtgttag atatgttgc 240
 242 gaaaggagatc ttacatcttgc gcttgcgttgc ctgtgtgtt gcaagagactt atatcggttgc 300
 244 ggggtgggggtt ttcacaaaac gageatccat gctgggtatgg aatggaaaca gttggccaaa 360
 246 ctgttgcgttgc tttagatgcaat ttcagcgatgttgc gaag 394
 249 <210> SEQ ID NO: 12
 250 <211> LENGTH: 187
 251 <212> TYPE: DNA
 252 <213> ORGANISM: *Triticum aestivum*
 254 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-B1
 256 <400> SEQUENCE: 12
 258 gttcaacttc tgcgtatgttgc cccatggc tggagcatct ctcgtggatc ttcgtggccqcc 60

Same

RAW SEQUENCE LISTING DATE: 11/09/2000
PATENT APPLICATION: US/09/667,188 TIME: 12:04:05

Input Set : D:\Lib3280_1Reg.rpt
Output Set: N:\CRF3\11092000\1667188.raw

260 agcacggcgt ttagcggcgc agtgggagct ttcctgcggc ccagtaggct cggaggcata 120
 262 tcgacatag agtcgttagag ctgtcaatac tgaagtcaagt ctcaacttcg cggtagtttc 180
 264 ctctaga
 267 <210> SEQ ID NO: 13
 268 <211> LENGTH: 399
 269 <212> TYPE: DNA
 270 <213> ORGANISM: *Triticum aestivum*
 272 <223> OTHER INFORMATION: Clone ID: LTB3280-001-P1-K1-B10
 274 <400> SEQUENCE: 13
 276 cccacgcgtc cggacaataat ctctgtcaacc aagggggttg ttcttagagt qaaaccaaca 60
 278 cagatgtccc atgggtcgac tcagtcatacg gctatacaca tagatgcage tattaaatcca 120
 280 gccaatagtg qaggqctgc aatcatgggt qataaaagtgg ctggqagtgc ttccaaataat 180
 282 ctgtcaggag cagaaaaacat tgggtatataatccatgtgc ctgtaaattaa ggggtttttt 240
 284 tctgggttgg aagaggttgg caataatctt qggttttgtt ctcttggat atcttggcag 300
 286 gccaatgaga acatccaaat aagaggttgc ttgttatgc ggcctgaaat gacttggatg 360
 288 ttatgtcgtaa qataaaatcc tctgtctgtt gcttacggaa
 291 <210> SEQ ID NO: 14
 292 <211> LENGTH: 400
 293 <212> TYPE: DNA
 294 <213> ORGANISM: *Triticum aestivum*
 296 <223> OTHER INFORMATION: Clone ID: LTB3280-001-P1-K1-B11
 298 <400> SEQUENCE: 14
 300 gctatgttcgg cccttccttcctt ccttcgtccctt gtggcccttgg cgggccttcgt cgtatgtcg 60
 302 gcttcqcggtt cggccccccgac gcccgttcac gcccggggagg ttccttggc ggggggggg 120
 304 cggacgatgg gcatggggc tcaggagctg qacggggacgg ttcgttcgtt gatgggttgc 180
 306 ttgcacgttgc ttctggggc cggcttcatacg tgcctggcg tggcaaggg cattggactt 240
 308 cccgttcgtcg ttcattggctg caacgatagg ggcatacttcgtt gcatgttcag ctggggcaag 300
 310 ccacccccc cggccgggttcc caaaggccca gttccacccat atccccacacc gacggcgat 360
 312 gtcggccacac cggccgtc agacggcttc gtcggccacac
 315 <210> SEQ ID NO: 15
 316 <211> LENGTH: 402
 317 <212> TYPE: DNA
 318 <213> ORGANISM: *Triticum aestivum*
 320 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-B12
 322 <400> SEQUENCE: 15
 324 cccggacacag gcccccccttc gactaccgtt attacagccg ctgcggccccc gatgtgtaaac 60
 326 cggacaaqag caccggccgc gcttcgggg cggggactt gactacacac gactacacgg 120
 328 gggggcacaac gtcctgtggc ggccttcgg gggggggggggg ctggcactac gacgactaca 180
 330 gggggggccga caacttcgtt ggcggccaccc atgaataacaa ggcggccggc ageacgttcg 240
 332 ctggaaacccg ggcgttcatg gctggggggc gcaaggccgg gacgacgacg qttttttttc 300
 334 acggaggaggc ggtggggcgtt gcaaggaggc tcccatccgtt ctcccccggc gegaccccg 360
 336 cccggccatggg tttctgtggc cggccggatcg ccggacttcgtt cc
 339 <210> SEQ ID NO: 16
 340 <211> LENGTH: 360
 341 <212> TYPE: DNA
 342 <213> ORGANISM: *Triticum aestivum*
 344 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-B2
 346 <400> SEQUENCE: 16
 348 accttcacaaa cattttcat agttgtatgc ggtttcaac atlagatataq tqaatccaa 60

Same

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/667,188

DATE: 11/09/2000
TIME: 12:04:05

Input Set : D:\Lib3280_1Reg.rpt
Output Set: N:\CRF3\11092000\I667188.raw

350 tctatgtcat atatccaaac tcaagaatac ageticgtcac ctttttctaaa ttagtcaatgtt 120
352 cttttaatttt tggatatttca gatggccac tgaatggagac cagatataat ctgggtttagc 180
354 tggatgttgc aaccccggtac actatattga tacggagaat ttcccggtac aatgtaccta 240
356 agacacttca ttcagcgtg ttataataaa racagtagt qtagcaccat tagcaccgg 300
358 ctttttggtc gatgcgtcaa tccctccgca cttgggtgatc gctgttacat atcgattggg 360
361 <210> SEQ ID NO: 17
362 <211> LENGTH: 363
363 <212> TYPE: DNA
364 <213> ORGANISM: Triticum aestivum
366 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-B3
368 <400> SEQUENCE: 17
370 acaatacggc aacgataaaac aaagtctgg ctccatatacgta tagtcagcat tggatatttt 60
372 tggacaaaaga gaaaaaaaaca aagcaatctt tacctaagct tggatgttgc ctatgttctca 120
374 aaacaccatt atggatagag aatgtatgc taaaatgtca cgagaacaac ataggccac 180
376 tggatgtatcgatcataaacttccatataac ggcgttcc taccatgtt ctctactgtt 240
378 agttctccc tggccgttcc ctgcctctgtt aaggaggagg ggccgggttgc ttgttagttac 300
380 cgccacccatgg gtagccctggg ttaccacatgttggccatgttgcgttgcgttgcaccac 360
382 cat 363
385 <210> SEQ ID NO: 18
386 <211> LENGTH: 355
387 <212> TYPE: DNA
388 <213> ORGANISM: Triticum aestivum
390 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-B4
392 <400> SEQUENCE: 18
394 agtccccatca aacttgttgc actgtatataat gatgtatcaca aagccaaatc aagtccac 60
396 agaaaatggc atcagacgg acactgaaaa tggatgtcacttggatgttgc acgttgcgtt 120
398 gtttgcgttgc tggatgttgc atggccaggg tggatgtatc tggccgttgc gacatggaa 180
400 tatttaccac acggatcttc caaatcaaca ttgtttccat ggttagtgggtt gacatgtatc 240
402 ttcggccaaaca tagcatatgtt ctcataatctca gacttgcggg gtggagggtt gttgttagea 300
404 aggttccatca gtttgcctt ggatgttgc tggatgttgc ggttgcgttgc gttgttagea 355
407 <210> SEQ ID NO: 19
408 <211> LENGTH: 342
409 <212> TYPE: DNA
410 <213> ORGANISM: Triticum aestivum
412 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-B5
414 <400> SEQUENCE: 19
416 agtccccaaatc aacatgtttt gactgtataaa tggatgttccc acttaccaat taaatgttccaga 60
418 aagaaaatggc tctcaatgttca cacaatataat atggatgttgc tggatgttgc tggatgttgc 120
420 agttgcattt atgtatctca aattgttgcagg tggatgttgc tggatgttgc tggatgttgc 180
422 gtttttaccac acggatgttgc ccaatataatc atggatgttgc tggatgttgc tggatgttgc 240
424 ttttaccac acggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc 300
426 aaggatcaca aatgttttgc tttgatgttgc tggatgttgc tggatgttgc tggatgttgc 342
429 <210> SEQ ID NO: 20
430 <211> LENGTH: 406
431 <212> TYPE: DNA
432 <213> ORGANISM: Triticum aestivum
434 <223> OTHER INFORMATION: Clone ID: LIB3280-001-P1-K1-B6
436 <400> SEQUENCE: 20
438 gacgaaccgg agaggaacat cagggttttag cttccatgttgc tggatgttgc tggatgttgc 60

Same

PTI:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/667,188

DATE: 11/09/2000
TIME: 12:04:06

Input Set : D:\Lib3280_1Reg.rpt
Output Set: N:\CRF3\11092000\I667188.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84
L:2216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100
L:2478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:2504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:3092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142
L:3094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142
L:3122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143
L:3198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146
L:3248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148
L:3784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173
L:3802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174
L:3928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179
L:4650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212
L:4704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214
L:4750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216
L:4894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222
L:4898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222
L:4958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:224
L:5068 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:229
L:5194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234
L:5196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234
L:5220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:235
L:5442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245
L:5578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:250
L:5926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265
L:6290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:280
L:6598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294
L:6730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:300
L:7206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322
L:7500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335
L:7846 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:351
L:7878 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352
L:8624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:386
L:8692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:390
L:8764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:393
L:8936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:401
L:9004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:404
L:9266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:416
L:9808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:439
L:10562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:472
L:11108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:497
L:11328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:507
L:11632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:520
L:12886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:576
L:13050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:584

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/667,188

DATE: 11/09/2000

TIME: 12:04:06

Input Set : D:\Lib3280_1Reg.rpt

Output Set: N:\CRF3\11092000\I667188.raw

L:14352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:644

L:14802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:666

L:14882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:670

L:14976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:675